

**NCSX Fabrication Project Cost and Schedule Estimating Form
(Attachment 1c - FAB)**

WBS: 611 - C-Site Cooling Water System Recommissioning

Responsibility: Larry Dudek

Activity Title	Manhours	FY2003		Labor Type	Start Date Month/Year	End Date Month/Year	Comments
		Manhours	\$\$				
<u>Labor</u>							
Preliminary Design (Title I)							
Final Design (Title II)							
Lab Fab/Assembly/Installation (Title III)					5/1/2005	9/30/2005	
Replace Valves, Resins and Filters	58 216			EMEM EMTB			
Level of Effort							
FY2003							
FY2004							
FY2005							
FY2006							
FY2007							
<u>M&S Costs</u>							
Manufacturing Development							
Purchased Design Services							R&D related
Procured Hardware/Material							R&D related
Procured Hardware/Material		92300			5/1/2005	9/30/2005	Valves, DI Resins and Filters Escalated to FY 2003 Costs
Purchased Design Services							
Procured Installation/Assembly Costs							
Other Costs							
Travel							
Allocations (WBS 81 only)							

Instructions for Completing Form

- (1) One form for each 3 digit WBS element (e.g., 111, 121, 452, etc.) => if no 3 digit WBS, use 2 digit WBS (e.g., 81, 82, 84)
- (2) For Lab labor, provide estimate in manhours => provide estimate by specific labor type.
- (3) For M&S, provide estimate in FY2002 direct dollars if procured by PPPL, or in fully loaded dollars if procured by ORNL
- (4) Start and end date provided in month/year format => March/2003